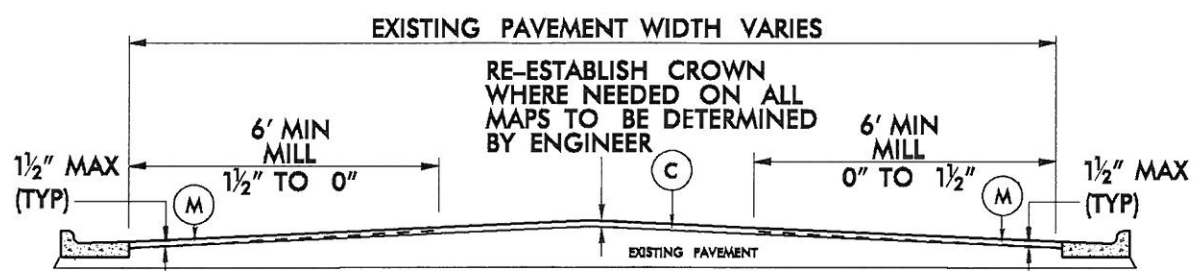
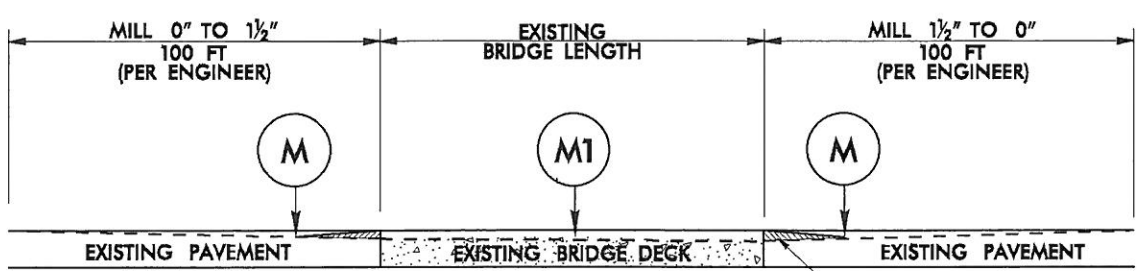


MAP NO. 1
FORSYTH COUNTY
NORTH CAROLINA

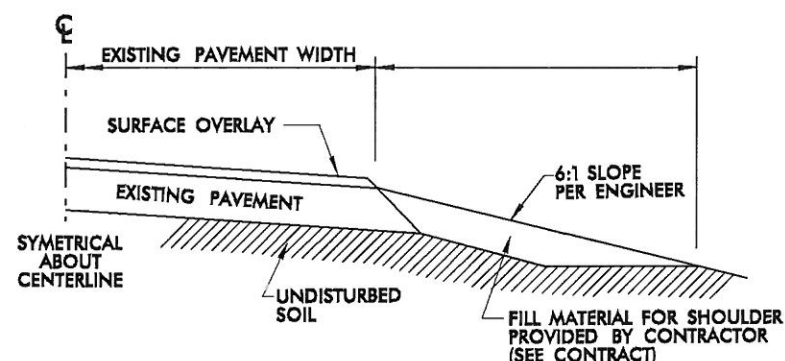
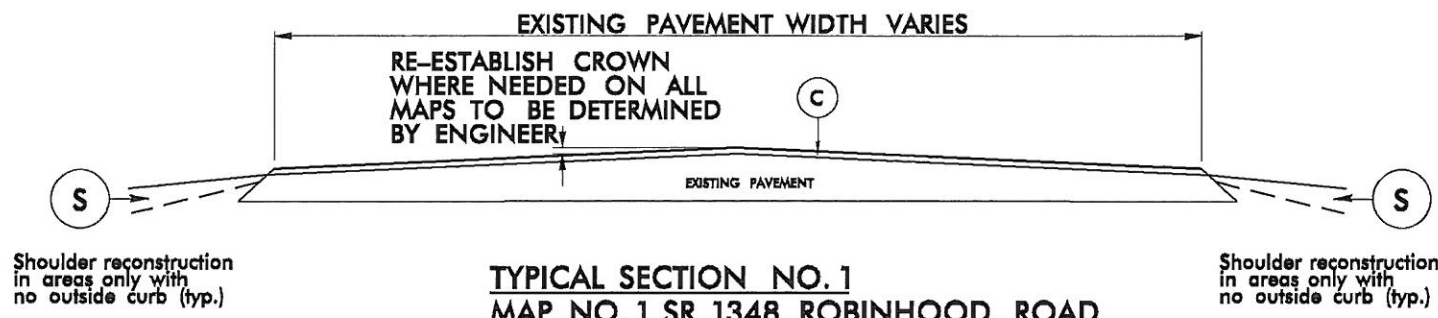


TYPICAL SECTION NO. 1
MAP NO. 1 SR 1348 ROBINHOOD ROAD
NOTE: ALL CURB AND GUTTER IS EXISTING

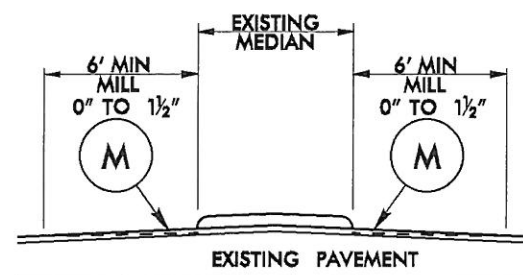


MILLING BRIDGE DECK AND APPROACHES
(SEE BRIDGE DATA SHEET)

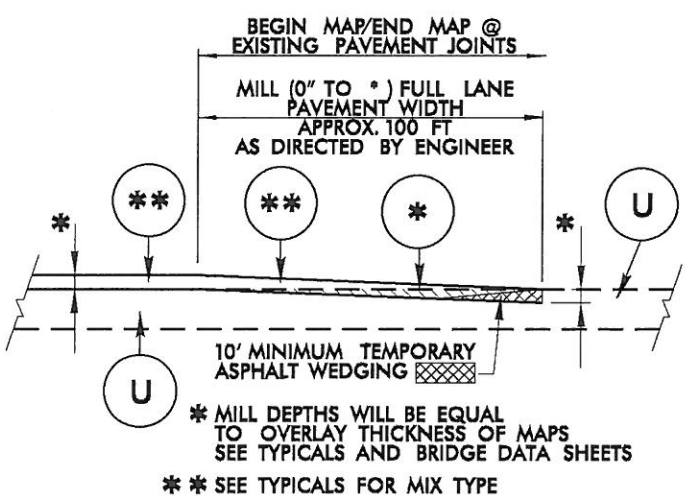
TEMPORARY ASPHALT WEDGING (TYPICAL BOTH SIDES OF BRIDGE) IF APPROACHES ARE MILLED PRIOR TO MILLING BRIDGE DECK



SHOULDER RECONSTRUCTION



MILLING AT MEDIANS

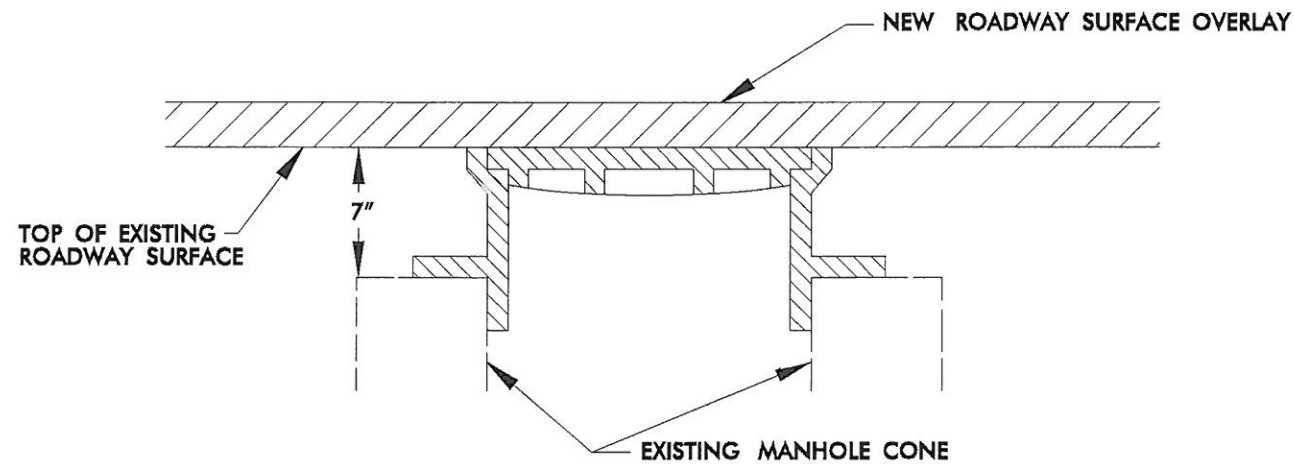


TIE-IN MILLING DETAIL

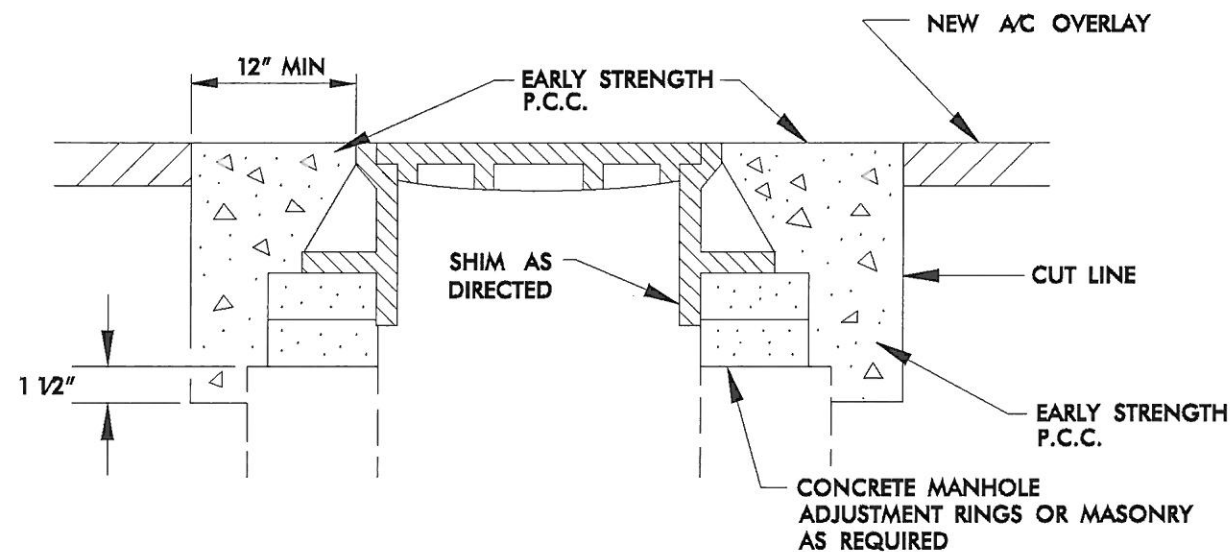
PAVEMENT SCHEDULE	
C	PROP. APPROX. 1 1/2" ASPHALT CONCRETE SURFACE COURSE, TYPE S9.5B, TO BE APPLIED AT AN AVERAGE RATE OF 168 LBS PER SQ YD
M	MILL ASPHALT PAVEMENT, 0 TO 1/2" DEPTH
M1	MILL ASPHALT PAVEMENT, 1/2" DEPTH
S	SHOULDER RECONSTRUCTION (SEE DETAIL)
U	EXISTING PAVEMENT

CONSTRUCTION NOTES:

1. ALL QUANTITIES ARE "ESTIMATED" AS INDICATED IN THE "SUMMARY OF QUANTITIES".
2. CONSTRUCTION SHALL PROGRESS IN PHASES, IN THE ORDER INDICATED BELOW:
 - PHASE 1 - MILLING AND PATCHING (WHEN REQUIRED)
 - PHASE 2 - LEVELING (AS DIRECTED BY ENGINEER)
 - PHASE 3 - SURFACE OVERLAY
 - PHASE 4 - SHOULDER DROP-OFF REPAIR (AS NEEDED AND DIRECTED BY ENGINEER)
 - PHASE 5 - UTILITY ADJUSTMENTS (MANHOLE RING/COVER, VALVE/METER BOX RING/COVER, CATCH BASIN GRATE/COVER, DROP INLET GRATE/COVER, ETC.) WHEN REQUIRED.
3. BRIDGES THAT HAVE FLOOR DRAINS, SHALL HAVE ALL FLOOR DRAINS LEFT OPEN. EXTRA CARE SHALL BE EXERCISED IN MILLING (IF REQUIRED) AND IN PLACING THE WEARING SURFACE AROUND FLOOR DRAINS SO AS NOT TO HINDER EFFECTIVE DRAINAGE.
4. TEMPORARY ASPHALT WEDGING SHALL BE PLACED ON THE SAME DAY THAT BRIDGE AND/OR RAILROAD APPROACHES ARE MILLED (AND IF APPROACHES ARE MILLED PRIOR TO BRIDGE DECK).
5. SOME MAPS MAY REQUIRE EXTRA ASPHALT SURFACE (LEVELING) TO BE PLACED TO ELIMINATE UNEVEN PAVEMENT, WASHBOARDING OR TO RE-ESTABLISH THE CROWN. THE QUANTITY AND LOCATION OF THIS ITEM SHALL BE AS DIRECTED BY THE ENGINEER.
6. FOR TWO-LANE ROADWAYS - IT SHALL BE UNDERSTOOD THAT TYPICALLY ON A ROADWAY MEASURING 20 FEET OR LESS IN WIDTH, THE CENTER OF THE WHITE EDGELINE SHALL BE LOCATED SIX INCHES FROM THE EDGE OF PAVEMENT ON EITHER SIDE OF THE ROADWAY; ON A ROADWAY MEASURING 22 FEET IN WIDTH, TRAVEL LANES SHALL MEASURE 10 FEET AND THE WHITE EDGELINE SHALL BE LOCATED ONE FOOT FROM THE EDGE OF PAVEMENT ON EITHER SIDE; ON A ROADWAY MEASURING 24 FEET IN WIDTH, TRAVEL LANES SHALL MEASURE 11 FEET AND THE WHITE EDGELINE SHALL BE LOCATED ONE FOOT FROM THE EDGE OF PAVEMENT ON EITHER SIDE; ON A ROADWAY MEASURING 26 FEET OR MORE IN WIDTH, TRAVEL LANES SHALL MEASURE 12 FEET AND THE WHITE EDGELINE SHALL BE LOCATED NO LESS THAN ONE FOOT FROM THE EDGE OF PAVEMENT ON EITHER SIDE. THIS SHALL BE STANDARD PRACTICE UNLESS OTHERWISE DIRECTED BY THE ENGINEER.
7. PAPER JOINTS ARE TO BE PLACED BETWEEN DAYS OF PAVING OPERATIONS AS SPECIFIED IN THE STANDARD SPECIFICATIONS SECTION 610-11.
8. ALL MILLED AREAS WILL BE PAVED WITHIN 72 HOURS UNLESS APPROVED BY THE ENGINEER.
9. REPLACE ANY PORTION OF STOP BARS AND OTHER PAVEMENT MARKINGS AT ANY INTERSECTION INCLUDING Y-LINES NOT ACTUALLY BEING PAVED OVER, THAT ARE OBLITERATED BY THE PAVING OPERATION EITHER BY HAULING WHEEL TRACKS OR TACK TRUCK BY THE END OF EACH RESURFACING OPERATION



STEP 1



STEPS 2,3, & 4

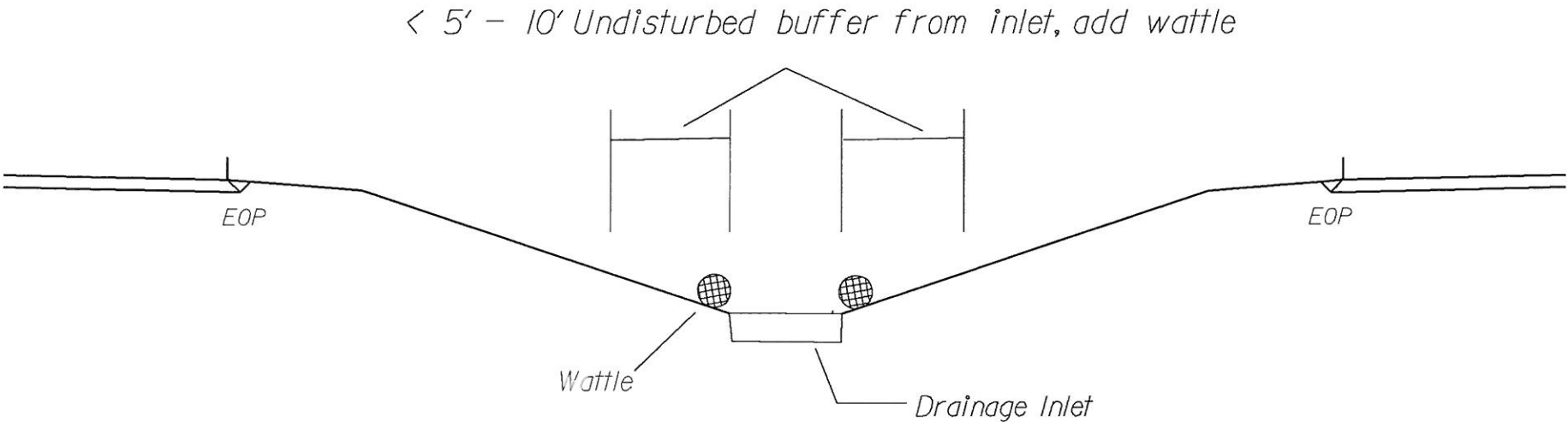
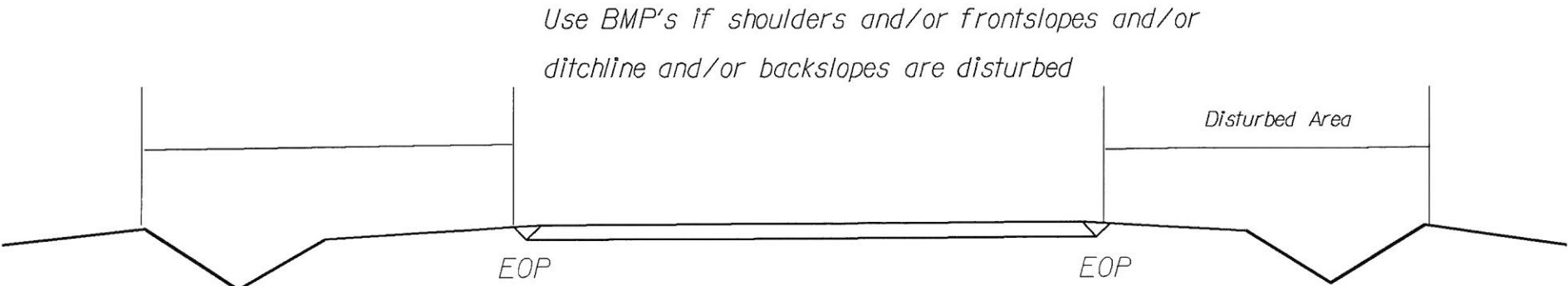
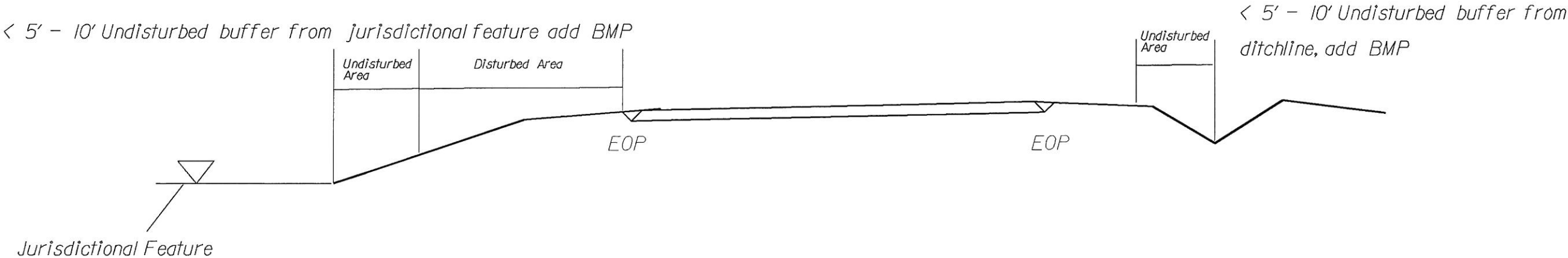
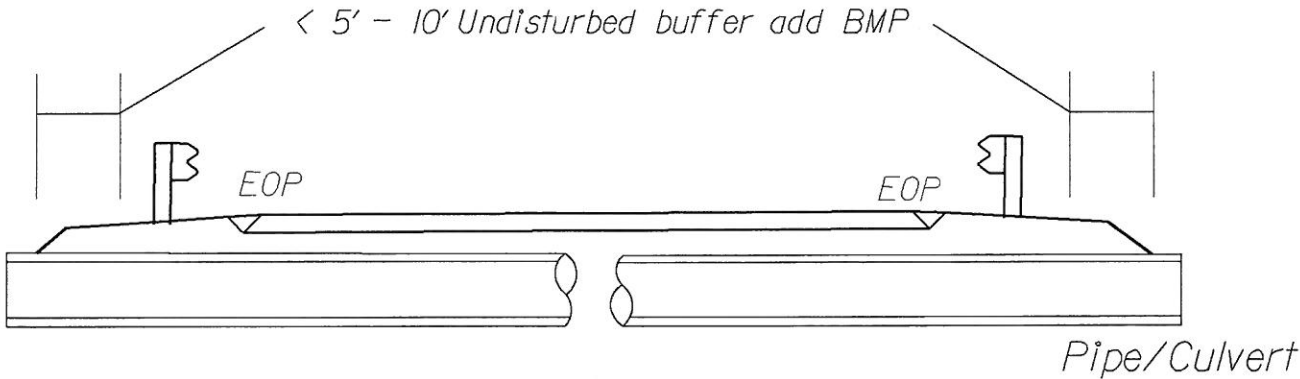
- STEP 1 COVER EXISTING MANHOLE WITH APPROVED MATERIAL AND CONSTRUCT OVERLAY ACROSS TOP OF MANHOLE
- STEP 2 SAW CUT EXCAVATION AROUND MANHOLE 12" MIN. FROM MANHOLE FRAME.
- STEP 3 RAISE MANHOLE FRAME RINGS TO FINISH PAVEMENT PROFILE AND CROSS SLOPE.
- STEP 4 BACKFILL WITH EARLY STRENGTH P.C.C. TO DEPTHS AS DIRECTED.

MANHOLE ADJUSTMENT DETAIL

NOTES: Less than 5' - 10' undisturbed buffer from ROW, ditchline, water feature, or drainage inlet, add BMP.

BMP Options: Wattle or Silt Fence

EROSION CONTROL DETAIL



NOT TO SCALE

2012_Resurfacing_FORSYTH_Robinhood Rd

								PROJECT NO.		SHEET NO.	TOTAL NO.
										5	
Map No.	Route No.	Route Name	Bridge No.	Feature Intersected	Floor Construction	Clear Roadway Width (Ft)	Horizontal Clearance Under (Ft.)	Vertical Clearance Under	Length (Ft)	Posting	Recommended Treatment, From Bridge Maintenance
1	SR 1348	ROBINHOOD ROAD	113	MUDDY CREEK	PPCCS, 4.0 AWS	41.8	NA	NA	174		MILL APPROACHES, MILL 1 1/2"

2012_Resurfacing_FORSYTH_Robinhood Rd

PROJECT NO.	SHEET NO.	TOTAL NO.
9CR	6	

SUMMARY OF QUANTITIES

PROJECT NO	COUNTY	MAP NO	ROUTE	DESCRIPTION	TYP NO	FINAL SURFACE TESTING REQUIRED	LENGTH MI	WIDTH FT	INCIDENTAL STONE BASE TONS	SHOULDER BORROW CY	SHOULDER RECONSTRUC TION SMI	MILLING ASPHALT PAVEMENT, 1 1/2"DEPTH SY	MILLING ASPHALT PAVEMENT, 0"TO 1 1/2" DEPTH SY	SURFACE COURSE, S9.5B TONS	ASPHALT BINDER FOR PLANT MIX TONS	ADJ. OF MANHOLES EA	ADJ. OF METER OR VALVE BOX EA
9CR	Forsyth	1	ROBINHOOD ROAD (SR1348)	FROM PEACE HAVEN ROAD S TO YADKINVILLE ROAD (SR 1525)	1,2	NO	6.34	24	270	605	10.08	817	7,639	9,983	599	33	30
TOTAL FOR MAP NO. 1							6.34		270	605	10.08	817	7,639	9,983	599	33	30
TOTAL FOR PROJ NO. 9CR							6.34		270	605	10.08	817	7,639	9,983	599	33	30
GRAND TOTAL							6.34		270	605	10.08	817	7,639	9,983	599	33	30

NOTE: All Quantities listed include turn lanes and are estimates; Payment will be based on actual field measurements and quantities received.

PROJECT NO.	SHEET NO.	TOTAL NO.
9CR	7	

THERMOPLASTIC AND PAINT QUANTITIES

PROJECT NO	COUNTY	MAP NO	ROUTE	DESCRIPTION	LENGTH	WIDTH	4685000000-E	4686000000-E				4710000000-E	4721000000-E		4725000000-E			
							4" X 90 M WHITE THERMO LF	4" X 120 M WHITE THERMO LF	4" X 120 M YELLOW THERMO LF	8" X 120 M WHITE THERMO LF	24" X 120 M WHITE THERMO LF	THERMO MSG SCHOOL 120 M EA	THERMO MSG ONLY 120 M EA	THERMO LT ARROW 90 M EA	THERMO STR ARROW 90 M EA	THERMO STR & RT ARROW 90 M EA	THERMO RT ARROW 90 M EA	
9CR	Forsyth	1	ROBINHOOD ROAD (SR1348)	FROM PEACE HAVEN ROAD S TO YADKINVILLE ROAD (SR 1525)	6.34	24	61,354	4,196	77,441	656	538	12	8	40	16	9	8	
TOTAL FOR MAP NO. 1					6.34		61,354	4,196	77,441	656	538	12	8	40	16	9	8	
TOTAL FOR PROJ NO. 9CR					6.34		61,354	4,196	77,441	656	538	12	8	40	16	9	8	
							82,293					20		73				
GRAND TOTAL					6.34		61,354	4,196	77,441	656	538	12	8	40	16	9	8	
							82,293					20		73				

NOTE: All Quantities listed include turn lanes and are estimates; Payment will be based on actual field measurements and quantities received.